

# Converting Colors

$Y_{xy}(70.7591, 0.3720, 0.4292)$

Have a look what the booklet for  
Yxy(70.7591, 0.3720, 0.4292)  
contains.

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**Color**

**Yxy(70.6927, 0.3725, 0.4294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFE085
RGB	223, 224, 133
RGB Percent	87%, 88%, 52%
CMY	0.1254, 0.1216, 0.4783
CMYK	0.00, 0.00, 0.41, 0.12
HSL	61°, 59%, 70%
HSV	61°, 41%, 88%
XYZ	61.3252, 70.6927, 32.6135
YIQ	213.3270, 28.6150, -28.5130

# Conversions

## Conversions Part 2

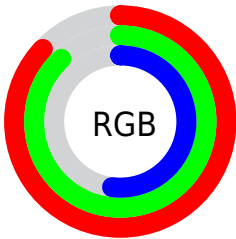
Format	Color
R <sub>Y</sub> B	133, 224, 134
Decimal	14672005
CIE Lab	87.34, -13.36, 44.35
CIE LCh	87, 46.317, 106.764
Yxy	70.6927, 0.3725, 0.4294
Android (android.graphics.Color)	4292862085 (0xFFDFE085)
YUV	213.3270, -39.6012, 8.4832
Hunter-Lab	84.0790, -16.9445, 35.8572

# Details

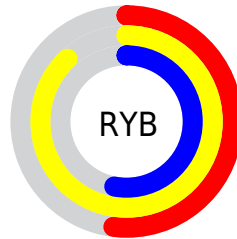
The Yxy color **70.6927, 0.3725, 0.4294** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.2353, 0.2382, 0.2047**, and the grayscale version is **67.0305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **37.0770, 0.3840, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **70.1026, 0.3855, 0.4515**, and if you desaturate by 10%, it is **71.4213, 0.3582, 0.4053**.

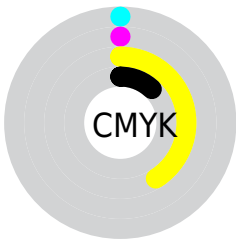
# Distribution



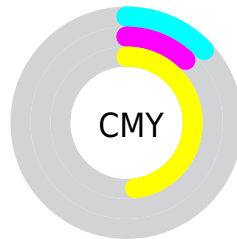
- Red (87%)
- Green (88%)
- Blue (52%)



- Red (52%)
- Yellow (88%)
- Blue (53%)



- Cyan (0%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)




- Cyan (13%)
- Magenta (12%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6927, 0.3725, 0.4294 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 70.6927, 0.3725, 0.4294 by changing the saturation by 10% instead.





 70.6927, 0.3725,  
0.4294


 70.6927, 0.3725,  
0.4294


462.9785, 0.3463,  
0.3824

 52.0915, 0.3779,  
0.4400


 120.1961, 0.3638,  
0.4132

 37.0780, 0.3842,  
0.4529


 151.8670, 0.3603,  
0.4068

 25.2679, 0.3915,  
0.4688


 188.6632, 0.3572,  
0.4013

 16.2767, 0.3997,  
0.4888

230.9692, 0.3545,  
0.3966

 9.7202, 0.4083,  
0.5141

279.1693, 0.3521,  
0.3924

 5.2138, 0.4231,  
0.5561

333.6480, 0.3500,

 2.3733, 0.4149,

0.3887

0.5851

394.7896, 0.3480,  
0.3854

0.8121, 0.3544,  
0.6456

0.0000, 0.0000,  
0.0000

70.6927, 0.3725,  
0.4294

70.6927, 0.3725,  
0.4294

70.1026, 0.3855,  
0.4515

71.4213, 0.3582,  
0.4053

69.6328, 0.3968,  
0.4706


72.2866, 0.3433,  
0.3803


69.2773, 0.4057,  
0.4859


73.2987, 0.3283,  
0.3551

69.0251, 0.4121,  
0.4970

74.4645, 0.3136,  
0.3305


 68.8633, 0.4158,  
0.5037


 75.7900, 0.2995,  
0.3070

 68.7731, 0.4174,  
0.5068

 76.4545, 0.2936,  
0.2970

 76.4935, 0.2938,  
0.2970

 76.5326, 0.2940,  
0.2970

 76.5717, 0.2941,  
0.2970

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6927, 0.4123, 0.4042



70.6927, 0.3725, 0.4294



70.6927, 0.3186, 0.4246

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6927, 0.3725, 0.4294



70.6927, 0.2119, 0.2783



70.6927, 0.3561, 0.2806

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.6927, 0.3725, 0.4294



27.2353, 0.2382, 0.2047

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6927, 0.2985, 0.2523



70.6927, 0.3725, 0.4294



70.6927, 0.2196, 0.2484

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6927, 0.3725, 0.4294



70.6927, 0.2278, 0.3282



70.6927, 0.2497, 0.2404



70.6927, 0.4043, 0.3200



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6927, 0.3725, 0.4294



70.6927, 0.2824, 0.4016



70.6927, 0.2497, 0.2404



70.6927, 0.3369, 0.2696

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70.6959, 0.3725, 0.4294



98.1206, 0.3305, 0.3588



34.3253, 0.4161, 0.3293



20.9620, 0.3325, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6959, 0.3725, 0.4294



94.1366, 0.3840, 0.4488



64.5320, 0.3383, 0.4421



16.0216, 0.3266, 0.3522



40.0342, 0.4174, 0.5067



2.7774, 0.4178, 0.5065



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.2353, 0.2382, 0.2047



28.0564, 0.2193, 0.1735



31.6915, 0.2752, 0.2163



13.2504, 0.2982, 0.3048



3.1449, 0.1504, 0.0602



0.2205, 0.1514, 0.0608



# Previews

## White Background



This preview shows how the Yxy color 70.6927, 0.3725, 0.4294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

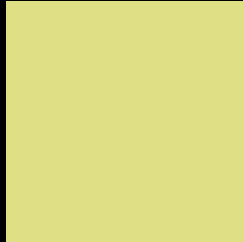
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6927, 0.3725, 0.4294 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

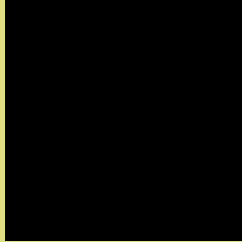
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6927, 0.3725, 0.4294**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6927, 0.3725, 0.4294.

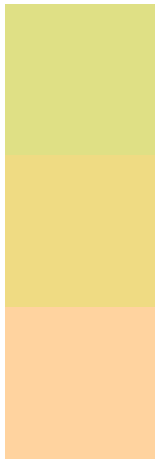


This preview shows how white text looks on a background with the Yxy color 70.6927, 0.3725, 0.4294.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

70.6927, 0.3725, 0.4294

### Protanopia

70.6525, 0.3885, 0.4222

### Deuteranopia

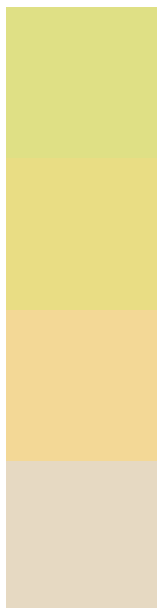
70.3517, 0.3852, 0.3828



## Tritanopia

70.7381, 0.3172, 0.3122

# Trichromacy



## Original Color

70.6927, 0.3725, 0.4294

## Protanomaly

70.7025, 0.3822, 0.4248

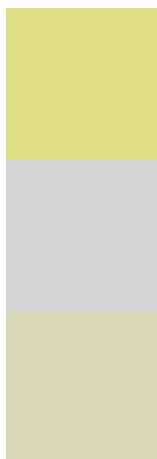
## Deuteranomaly

70.3684, 0.3802, 0.3992

## Tritanomaly

70.3437, 0.3383, 0.3542

# Monochromacy



## Original Color

70.6927, 0.3725, 0.4294

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.8381, 0.3354, 0.3665

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6927, 0.3725, 0.4294 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(223, 224, 133)` looks like.

```
.text, #text, p{  
    color:rgb(223, 224, 133)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(223, 224, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 224, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6927, 0.3725, 0.4294 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 224, 133) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(223, 224, 133) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(223, 224, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 224, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 224, 133);  
box-shadow:4px 4px 4px 4px rgb(223, 224,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6927, 0.3725, 0.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 224, 133) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(223,  
224, 133) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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